

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE \_\_\_\_\_ SEE TABLE

VSWR(MAX.)  
 DC - 6 GHz \_\_\_\_\_ 1.05:1 +.015f(GHz)  
 6 - 12.4GHz \_\_\_\_\_ 1.20:1  
 12.4 - 18 GHz \_\_\_\_\_ 1.25:1

POWER (AVG) \_\_\_\_\_ 10 WATTS  
 DERATING: FULL @<25°C AMBIENT TO 10% @125°C

POWER (PEAK) \_\_\_\_\_ 500 WATTS MAX.  
 @5 μSEC PULSE WIDTH x 1% DUTY CYCLE

OPERATING RANGE \_\_\_\_\_ -65°C TO +125°C

MECHANICAL

CENTER CONDUCTOR \_\_\_\_\_ BERYLLIUM COPPER  
 PER QQ-C-530. GOLD PER  
 MIL-G-45204 OVER COPPER  
 PLATE PER MIL-C-14550

OUTER CONDUCTOR \_\_\_\_\_ STAINLESS STEEL PER  
 ASTM A484 & A582, CLASS  
 303, COND. A. PASSIVATED  
 PER ASTM A380

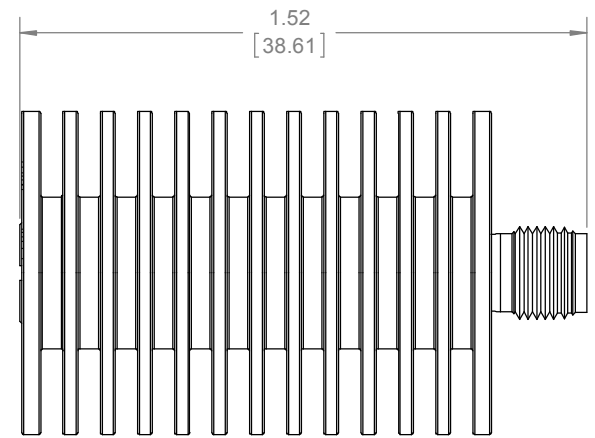
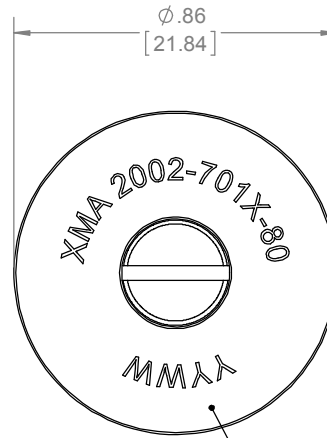
HOUSING \_\_\_\_\_ ALUMINUM PER  
 QQ-A-225(2024). BLACK  
 ANODIZE

MARKING

PART LOOKS LIKE PRODUCT IMAGE ABOVE.  
 PART MARKING ORIENTATION AND FORMAT AS SHOWN.  
 MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, READABLE.  
 YYWW EQUALS DATE CODE.

ORDERING INFORMATION

X=	FREQUENCY RANGE
9	DC-6GHz
8	DC-12.4GHz
7	DC-18GHz



MARKING SURFACE

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
-	INITIAL RELEASE	14-330	9/24/14	T.KUHN

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2002-701X-80	TERMINATION, SMA-f, DC-18GHz, 10W	
1	TA-2002-701X-80U	ASSEMBLY, TERMINATION, SMA-f, DC-18GHz, 10W, UNMARKED	1

DRAWING PRACTICES PER ANSI-Y-14.5  
 MIL-STD-100 & 1000  
 DIMENSIONS ARE IN INCHES AND  
 APPLY BEFORE / AFTER PROCESSING  
 SURFACE  
 ROUGHNESS  $\sqrt{63}$   
 μINCHES  
 FINISH:  
 SEE NOTES  
 MATERIAL:  
 SEE NOTES  
 NOTE:  
 THIS DRAWING INCORPORATES  
 THIRD ANGLE PROJECTION.  

 INTERPRET IAW ANSI Y14.5-1982

UNLESS OTHERWISE SPECIFIED  
 TOLERANCES IN:  
 DECIMALS INCH [MM]  
 .X" .05" [1.27]  
 .XX" .03" [.76]  
 .XXX" .010" [.25]  
 ANGLES ±0°30'  
 REMOVE ALL BURRS/SHARP W/  
 BREAK / R OF .003" TO .0005"  
 UNLESS OTHERWISE NOTED  
 DIAS CONCENTRIC <.003 T.I.R.  
 DO NOT SCALE PRINT

DRAWN DATE  
 MCCORMICK 9/25/14  
 CHECKED DATE  
 MCCORMICK 9/25/14  
 ENG. APPR. DATE  
 T.KUHN 9/25/14

Phone: 603-222-2256 Fax: 603-222-2259  
 150 Dow Street, Manchester, NH 03101

TITLE  
**TERMINATION, SMA-f, DC-18GHz, 10W**

SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 2002-701X-80	REV -
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	